



<h1>X20</h1>	<h2>COAXIAL - 20cm / 8"</h2>								
	Speaker type	Coax 1"	Coax 1"	Coax 1"	Coax 1"				
Reference	2560	2570	2610	2620					

TYPICAL CHARACTERISTICS

Rated impedance	Z	Ω	8	16	8	16				
Half space sensitivity (1W@1m)	-	dB SPL	94	94	93	93				
Usable freq. range	-	Hz	80-4000	80-4000	70-3000	70-3000				
Power handling capacity (AES)	-	W	160	160	200	200				
Max Sound Pressure Level	SPLmax	dB SPL	112	112	112	112				
Min. impedance modulus	Zmin	Ω @Hz	5,4@410	10,1@400	5,6@370	14,0@360				
Voice-coil inductance @ 1kHz	Le _{1k}	mH	0,69	1,27	0,85	1,82				
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0,38	0,7	0,46	1,0				
BL product	BL	N/A	10,40	13,60	12,90	18,30				
Moving mass	Mms	kg	0,020	0,020	0,025	0,025				

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

Resonance frequency	Fs	Hz	81 (± 12)	81 (± 12)	74 (± 10)	74 (± 10)				
DC Resistance	Re	Ω	5,2($\pm 0,6$)	9,5($\pm 0,6$)	5,4($\pm 0,6$)	11,6($\pm 1,2$)				
Mechanical quality factor	Qms	1	4,1	4,1	4,5	4,5				
Electrical quality factor	Qes	1	0,49	0,52	0,37	0,39				
Total quality factor	Qts	1	0,44	0,46	0,34	0,36				
Mechanical suspension compliance	Cms	10 ⁻⁶ .m/N	200	200	200	200				
Effective piston area	Sd	m ²	0,0198	0,0198	0,0198	0,0198				
Equivalent Cas air load	Vas	m ³	0,010	0,011	0,011	0,011				
Max linear excursion	Xmax	\pm mm	5,0	5,0	5,0	5,0				
Linear displacement volume	Vd	10 ⁻³ .m ³	0,099	0,099	0,099	0,099				
Reference efficiency	η_0	%	1,1	1,0	1,2	1,1				
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	2,0	2,3	1,2	1,3				

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V	70	100	80	115				
Max.excursion before damage	Xdam	\pm mm	10	10	10	10				
Ambient operating temperature	Ta	$^{\circ}$ C	-10 to +50	-10 to +50	-10 to +50	-10 to +50				
Storage temperature	-	$^{\circ}$ C	-20 to +70	-20 to +70	-20 to +70	-20 to +70				
Environemental withstanding *	-	-	Outdoor	Outdoor	Outdoor	Outdoor				

APPLICATION INFORMATION

Air volume occupied by the driver	-	10 ⁻³ .m ³	0,720	0,720	0,720	0,720				
Speaker net mass		kg	3,020	3,020	3,020	3,020				
Recommended reflex box	Vb/Fb	Lts/Hz	10L / 80Hz	10L / 80Hz	10L / 70Hz	10L / 70Hz				

* Our products are classified in three categories : **Indoor**, **Outdoor**, and **Outdoor +** for permanent outdoor use or severe conditions.

upgrade : 06/07/2004